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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 63[illegible]

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JUNE 6, 1964

TETANUS

A total of 10 cases of tetanus was reported for the week ended June 6. This brings to 99 the cumulative total for 1964; for the comparable period of 1963, 89 cases were reported. Reported tetanus cases for the first 23 weeks from 1962-1964 and total cases for the years 1959-1963 are shown in table (right).

Of the 99 cases reported to date, 61 occurred in the 16 states comprising the South Atlantic, East South Central and West South Central Regions. Fourteen of the cases were reported from Florida, 11 from North Carolina.

REPORTED TETANUS CASES
Through 23rd Week, 1962-64 – Annual Totals, 1959-1963

	1964	1963	1962	1961	1960	1959
Coses through 23rd week	99	89	78	NR	NR	NR
Annual total	—	280*	322	379	368	445

*Preliminary total NR – Not reported

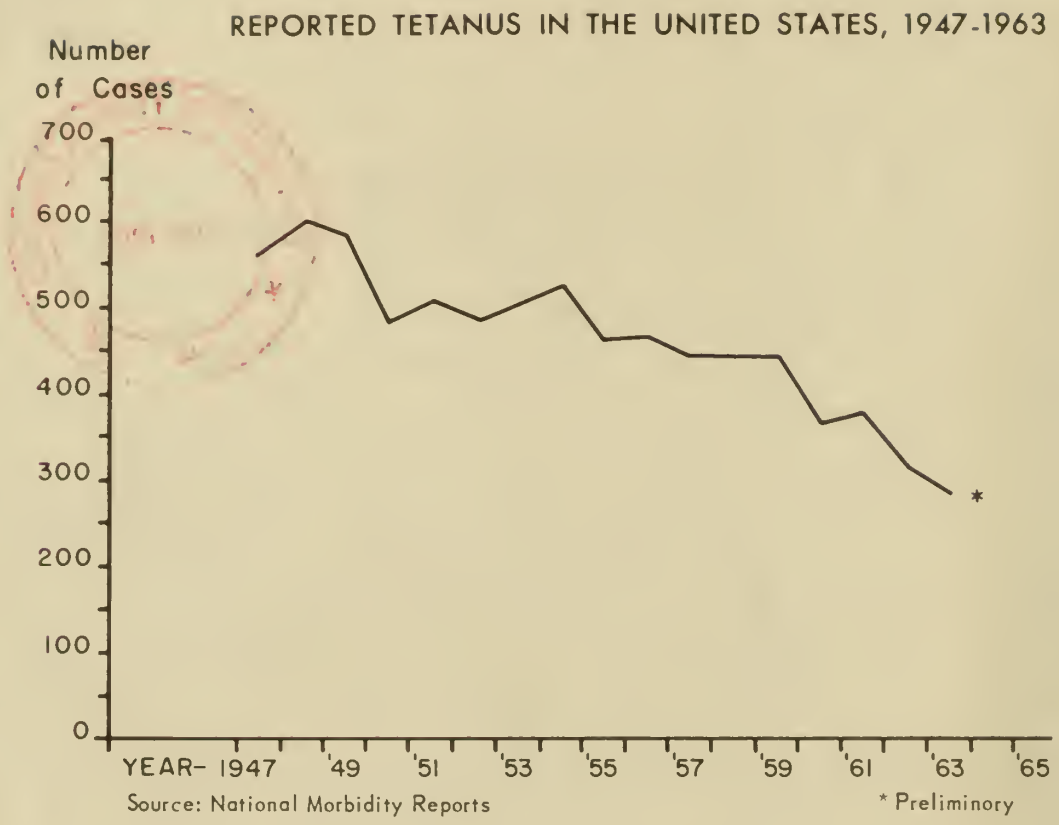
The 280 cases reported during 1963 is the lowest annual total recorded in the United States.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	23rd Week Ended		Median	Cumulative, First 23 Weeks		
	June 6, 1964	June 8, 1963	1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	25	42	---	656	533	---
Brucellosis	6	5	12	171	150	245
Diphtheria	9	8	4	122	123	291
Encephalitis, primary infectious	40	39	---	800	664	---
Encephalitis, post-infectious	33		---	437		---
Hepatitis, infectious including serum hepatitis	616	682	683	19,612	21,683	21,684
Measles	16,797	14,361	16,195	382,786	307,001	325,433
Meningococcal infections	55	34	38	1,357	1,315	1,211
Poliomyelitis, Total	3	5	11	35	62	196
Paralytic	2	5	7	27	54	134
Nonparalytic	1	-	---	7	2	---
Unspecified	-	-	---	1	6	---
Streptococcal Sore Throat and Scarlet fever	7,406	5,762	---	234,011	201,385	---
Tetanus	10	4	---	99	89	---
Tularemia	9	7	---	118	94	---
Typhoid fever	4	7	11	159	156	237
Rabies in Animals	97	68	68	2,122	1,801	1,799

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis:	14
Botulism:	9	Rabies in Man:	-
Leptospirosis:	10	Smallpox:	-
Malaria: Mass-1, Md-1, Minn-1, Calif-1	41	Typhus-	
Plague:	-	Murine: Hawaii-1, Fla-1	7
		Rky Mt. Spotted: Pa-1, Md-1, NC-1, Del-1, Colo-1	33



In sharp contrast to diphtheria, tetanus incidence has declined remarkably slowly despite extensive immunization, particularly of children. Total cases reported during 1963 are more than half the number reported during 1953. During the same period of time diphtheria cases dropped from 2,355 in 1953 to 294 in 1963 (provisional data).

EPIDEMIOLOGICAL REPORTS

TETANUS – New Jersey

A fatal case of tetanus was reported from New Jersey for the week ended May 30. This is the third reported case of tetanus in the State thus far in 1964; all 3 cases were fatal.

The most recent fatal case occurred in a 45 year old Negro male who on May 17 received lacerations of his brow and ear, which required suturing. At this time he told his physician that he had previously been immunized against tetanus. A tetanus toxoid booster was given; the patient was instructed to return May 20 for removal of the sutures.

On May 19, while at work, the patient stepped on a nail. He did not seek medical attention for this and did not seek medical attention for this and did not return for removal of the sutures. On May 25, he noted pain in both feet, not limited to the specific site of the wound. He returned to his physician, who noted that the facial wounds were healing well but that the patient had trismus, difficulty in swallowing and nuchal rigidity. At this time, it was learned that the patient had never received tetanus nor had he been in the Armed Service. He was hospitalized; his wound was debrided and cleansed; he was treated with 200,000 units of tetanus antitoxin and 2,000,000 units of aqueous penicillin, intravenously, every 6 hours. A tracheotomy was performed.

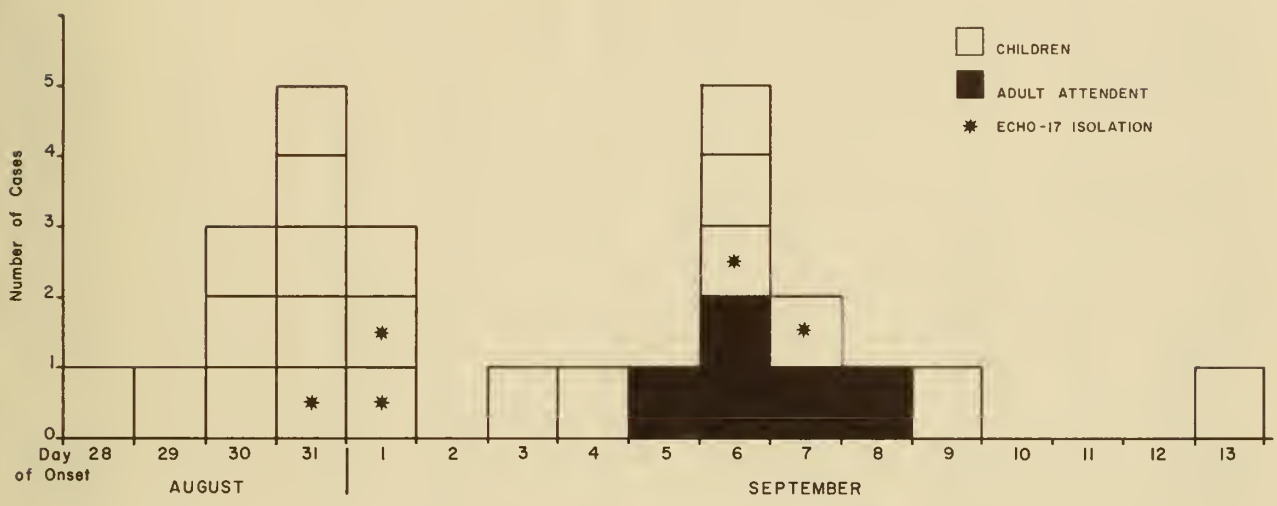
Despite this therapy, the patient developed generalized, intermittent tonic spasms without change in level of consciousness. He died May 28.

An anaerobic culture of the nail wound was negative for *Clostridium tetani*.

(Reported by Dr. William J. Dougherty, Director, Division of Preventive Disease, New Jersey Department of Health)

Editor's Note: A report of the previous 2 cases of tetanus in New Jersey appeared in the MMWR Vol. 13, page 159.

OUTBREAK OF DIARRHEA ASSOCIATED WITH ECHO-17 VIRUS
IN A JUVENILE INSTITUTION: CASES BY DATE OF ONSET
ALLEGHENY COUNTY, PA. 1963



ECHO 17 – Pennsylvania

A total of 26 children and adults experienced febrile diarrhea in an outbreak which affected the pre-school unit of an Allegheny County juvenile institution. Involved were 20 children between the ages of 6 months and 4 years, 5 adult attendants of the ward, and an 11-year-old mentally retarded child, who became ill 7 days after he entered the ward. An epidemic curve is shown above.

The illness was characterized by greenish-yellow diarrhea (seldom over 5 stools per day), temperature elevation (100 – 103.8°F rectal), and a transient erythematous rash in 3 patients. All patients recovered with supportive care.

Two clear peaks of incidence appeared 6 days apart (See Epidemic Curve). Together with the occurrence of this illness 7 days apart in one pair of siblings and the onset of illness 7 days after the above 11-year-old entered the unit, the epidemic curve suggests an incubation period of 6-7 days.

No index case could clearly be identified. Several children who were admitted during the first peak became ill immediately. The presence of ECHO $_{17}$ virus in the community was documented by its subsequent isolation from the son of a physician practicing in the area. The virus may have been introduced into the unit by a new admission.

Of 41 pre-school children who spent at least 5 days in the unit during the period from August 28 through September 20, approximately one-half (20) became ill. Eleven of 15 children who entered the unit during this period became ill.

Bacteriologic cultures for enteric pathogens were negative; rectal swabs from 5 patients with typical illnesses yielded ECHO$_{17}$. Further laboratory studies are in progress.

(Reported by Edwin Brown, M.D., Chief, Division of Disease Control, Joseph Sarandria, Laboratory Director, and Herbert R. Domke, M.D., Health Officer, Allegheny County Health Department, and Dr. W. D. Schrack, Jr., Director, Division of Communicable Disease Control, Pennsylvania State Department of Health.)

Table 3 CASES OF SPECIFIED NOTIFIABLE DISEASES, UNITED STATES
FOR WEEKS ENDED
JUNE 6, 1964 AND JUNE 8, 1963 (23rd WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases		Poliomyelitis, Total Cases Cumulative		Poliomyelitis, Paralytic		Poliomyelitis, Paralytic Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	25	42	40	33	3	5	35	62	2	5	27	54
NEW ENGLAND.....	-	2	1	-	-	-	-	1	-	-	-	1
Maine.....	-	1	-	-	-	-	-	1	-	-	-	1
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	1	1	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	1	2	5	6	-	-	5	7	-	-	5	5
New York City.....	-	-	2	-	-	-	1	-	-	-	1	-
New York, Up-State.	-	2	-	3	-	-	2	4	-	-	2	4
New Jersey.....	-	-	3	-	-	-	2	-	-	-	2	-
Pennsylvania.....	1	-	-	3	-	-	-	3	-	-	-	1
EAST NORTH CENTRAL...	7	9	10	3	-	1	3	16	-	1	3	13
Ohio.....	1	-	4	-	-	-	2	4	-	-	2	3
Indiana.....	-	1	1	-	-	1	-	2	-	1	-	1
Illinois.....	1	1	2	2	-	-	1	6	-	-	1	5
Michigan.....	5	7	3	1	-	-	-	3	-	-	-	3
Wisconsin.....	-	-	-	-	-	-	-	1	-	-	-	1
WEST NORTH CENTRAL...	-	4	1	7	-	1	1	2	-	1	-	2
Minnesota.....	-	3	1	7	-	1	-	2	-	1	-	2
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	1	-	-	-	-	1	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	6	5	16	3	2	1	16	7	1	1	12	6
Delaware.....	1	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	1	-	-	-	1	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	-	3	3	-	-	-	1	-	-	-	1
West Virginia.....	-	-	-	-	-	1	1	1	-	1	1	1
North Carolina.....	-	-	1	-	2	-	7	2	1	-	3	2
South Carolina.....	2	-	1	-	-	-	2	-	-	-	2	-
Georgia.....	-	-	-	-	-	-	1	1	-	-	1	-
Florida.....	3	5	11	-	-	-	4	2	-	-	4	2
EAST SOUTH CENTRAL...	3	2	-	2	-	-	3	3	-	-	1	2
Kentucky.....	2	-	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	2	-	-	1	1	-	-	-	1
Alabama.....	1	2	-	-	-	-	2	2	-	-	1	1
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	-	2	-	3	-	-	2	13	-	-	2	13
Arkansas.....	-	-	-	3	-	-	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	-	-	11	-	-	-	11
Oklahoma.....	-	1	-	-	-	-	1	-	-	-	1	-
Texas.....	-	1	-	-	-	-	1	2	-	-	1	2
MOUNTAIN.....	-	3	4	-	1	-	4	1	1	-	3	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	1	-	2	-	1	-	2	-
Colorado.....	-	3	1	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	-	-	2	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	1	-	-	-	-	-	-	-	-	-
PACIFIC.....	8	13	3	9	-	2	1	12	-	2	1	11
Washington.....	-	-	-	1	-	-	-	1	-	-	-	1
Oregon.....	-	1	-	-	-	-	1	1	-	-	1	1
California.....	8	12	3	7	-	2	-	10	-	2	-	9
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	1	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	4	-	-	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 6, 1964 AND JUNE 8, 1963 (23rd WEEK) - Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	6	171	9	122	616	299	263	54	19,612	21,683	4	159
NEW ENGLAND.....	-	2	7	33	78	33	40	5	2,035	2,409	-	10
Maine.....	-	-	7	30	23	12	11	-	693	1,110	-	-
New Hampshire.....	-	-	-	-	7	3	4	-	147	168	-	-
Vermont.....	-	-	-	-	10	4	4	2	258	30	-	-
Massachusetts.....	-	2	-	3	18	7	10	1	404	719	-	5
Rhode Island.....	-	-	-	-	3	1	-	2	108	56	-	5
Connecticut.....	-	-	-	-	17	6	11	-	425	326	-	-
MIDDLE ATLANTIC.....	-	3	-	5	124	71	53	-	4,425	4,163	-	25
New York City.....	-	-	-	1	27	6	21	-	645	566	-	11
New York, Up-State.	-	1	-	-	46	38	8	-	1,954	1,864	-	4
New Jersey.....	-	-	-	2	20	7	13	-	814	627	-	1
Pennsylvania.....	-	2	-	2	31	20	11	-	1,012	1,106	-	9
EAST NORTH CENTRAL...	-	19	-	6	92	53	32	7	2,987	3,483	-	35
Ohio.....	-	1	-	-	21	10	8	3	778	989	-	19
Indiana.....	-	1	-	-	16	8	8	-	266	340	-	7
Illinois.....	-	12	-	6	18	12	5	1	507	752	-	5
Michigan.....	-	2	-	-	28	19	9	-	1,216	1,237	-	3
Wisconsin.....	-	3	-	-	9	4	2	3	220	165	-	1
WEST NORTH CENTRAL...	3	81	-	19	39	20	18	1	1,106	1,017	-	12
Minnesota.....	1	3	-	11	5	1	4	-	99	172	-	-
Iowa.....	-	46	-	-	2	1	1	-	163	180	-	3
Missouri.....	1	5	-	-	12	3	8	1	272	399	-	5
North Dakota.....	-	2	-	-	-	-	-	-	42	29	-	-
South Dakota.....	-	12	-	1	-	-	-	-	104	49	-	1
Nebraska.....	1	11	-	-	-	-	-	-	24	72	-	-
Kansas.....	-	2	-	7	20	15	5	-	402	116	-	3
SOUTH ATLANTIC.....	-	15	2	25	39	21	14	4	1,858	2,283	2	33
Delaware.....	-	-	-	-	1	1	-	-	41	31	-	-
Maryland.....	-	-	-	-	3	2	1	-	351	262	-	1
Dist. of Columbia..	-	-	-	-	-	-	-	-	30	67	-	-
Virginia.....	-	6	-	-	10	1	5	4	278	494	-	7
West Virginia.....	-	-	-	-	4	3	1	-	308	370	-	-
North Carolina.....	-	1	-	-	13	12	1	-	347	583	-	11
South Carolina.....	-	-	-	4	1	-	1	-	66	85	-	3
Georgia.....	-	6	1	18	-	-	-	-	41	90	-	1
Florida.....	-	2	1	3	7	2	5	-	396	301	2	10
EAST SOUTH CENTRAL...	-	8	-	5	39	21	16	2	1,353	2,261	-	19
Kentucky.....	-	3	-	-	13	4	7	2	572	655	-	6
Tennessee.....	-	1	-	1	13	8	5	-	470	907	-	7
Alabama.....	-	3	-	2	9	7	2	-	195	335	-	5
Mississippi.....	-	1	-	2	4	2	2	-	116	364	-	1
WEST SOUTH CENTRAL...	2	18	-	16	54	29	22	3	1,430	1,434	-	12
Arkansas.....	1	4	-	-	4	1	3	-	157	165	-	6
Louisiana.....	-	1	-	5	11	10	1	-	311	262	-	2
Oklahoma.....	1	2	-	-	2	1	1	-	79	77	-	3
Texas.....	-	11	-	11	37	17	17	3	883	930	-	1
MOUNTAIN.....	-	13	-	1	34	3	7	24	1,257	1,450	2	3
Montana.....	-	-	-	-	-	-	-	-	112	210	-	-
Idaho.....	-	-	-	-	6	-	-	6	133	222	-	-
Wyoming.....	-	-	-	-	4	1	2	1	42	21	-	-
Colorado.....	-	-	-	-	8	-	2	6	361	306	-	-
New Mexico.....	-	1	-	1	2	1	1	-	177	174	-	-
Arizona.....	-	1	-	-	7	-	-	7	278	338	2	3
Utah.....	-	10	-	-	3	1	2	-	113	169	-	-
Nevada.....	-	1	-	-	4	-	-	4	41	10	-	-
PACIFIC.....	1	12	-	12	117	48	61	8	3,161	3,183	-	10
Washington.....	-	-	-	11	19	8	11	-	353	540	-	1
Oregon.....	-	1	-	-	9	4	3	2	352	428	-	-
California.....	1	11	-	1	75	30	45	-	2,294	2,132	-	9
Alaska.....	-	-	-	-	14	6	2	6	104	63	-	-
Hawaii.....	-	-	-	-	-	-	-	-	58	20	-	-
Puerto Rico	-	-	1	4	7	5	2	-	336	330	-	7

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES, UNITED STATES FOR WEEKS ENDED JUNE 6, 1964 AND JUNE 8, 1963 (23rd WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	16,797	55	1,357	1,315	7,406	5,762	10	99	9	118	97	2,122
NEW ENGLAND.....	934	2	39	82	937	682	2	3	-	-	-	12
Maine.....	259	-	5	14	124	69	-	-	-	-	-	10
New Hampshire.....	12	-	-	2	3	9	-	-	-	-	-	1
Vermont.....	29	-	1	3	16	17	-	-	-	-	-	1
Massachusetts.....	368	2	18	37	169	83	2	3	-	-	-	-
Rhode Island.....	115	-	2	8	116	46	-	-	-	-	-	-
Connecticut.....	151	-	13	18	509	458	-	-	-	-	-	-
MIDDLE ATLANTIC.....	1,765	7	128	177	459	384	2	7	-	-	2	49
New York City.....	519	2	23	23	13	30	-	-	-	-	-	-
New York, Up-State.	453	3	48	53	361	246	1	2	-	-	2	47
New Jersey.....	314	1	15	26	33	65	-	3	-	-	-	-
Pennsylvania.....	479	1	42	75	52	43	1	2	-	-	-	2
EAST NORTH CENTRAL...	4,154	5	200	215	966	745	2	10	-	10	16	285
Ohio.....	482	3	59	60	140	92	-	2	-	1	10	152
Indiana.....	794	1	33	25	138	63	-	1	-	1	2	15
Illinois.....	437	1	44	37	173	153	-	4	-	6	3	67
Michigan.....	1,666	-	46	67	358	311	1	2	-	1	-	23
Wisconsin.....	775	-	18	26	157	126	1	1	-	1	1	28
WEST NORTH CENTRAL...	952	7	84	80	343	154	-	5	1	25	37	676
Minnesota.....	20	4	18	16	27	15	-	-	-	1	10	204
Iowa.....	635	1	4	4	49	59	-	2	-	1	17	237
Missouri.....	7	2	44	28	50	3	-	2	1	15	4	110
North Dakota.....	274	-	8	4	166	69	-	-	-	-	1	36
South Dakota.....	-	-	-	4	6	6	-	1	-	-	2	57
Nebraska.....	16	-	5	19	-	-	-	-	-	-	3	19
Kansas.....	NN	-	5	5	45	2	-	-	-	8	-	13
SOUTH ATLANTIC.....	1,053	11	315	243	630	595	1	38	-	17	8	291
Delaware.....	9	-	4	2	4	5	-	-	-	-	-	-
Maryland.....	54	2	23	38	111	13	-	2	-	-	-	-
Dist. of Columbia..	4	-	9	4	6	-	-	-	-	-	-	-
Virginia.....	492	2	35	58	129	135	-	5	-	3	4	180
West Virginia.....	209	-	20	13	194	125	-	1	-	-	-	18
North Carolina.....	37	5	53	39	23	60	1	12	-	4	-	3
South Carolina.....	63	-	46	13	37	30	-	3	-	-	-	-
Georgia.....	-	-	42	12	5	-	-	1	-	10	2	50
Florida.....	185	2	83	64	121	227	-	14	-	-	2	40
EAST SOUTH CENTRAL...	1,874	3	129	105	1,115	939	2	13	1	17	6	289
Kentucky.....	254	-	42	23	144	183	1	2	-	1	1	39
Tennessee.....	954	2	45	45	928	664	1	6	1	12	5	237
Alabama.....	609	1	24	21	9	17	-	4	-	3	-	13
Mississippi.....	57	-	17	16	34	75	-	1	-	1	-	-
WEST SOUTH CENTRAL...	2,421	5	126	137	681	522	-	10	5	33	15	314
Arkansas.....	19	-	13	8	2	-	-	2	4	17	3	80
Louisiana.....	7	4	91	56	-	1	-	3	-	-	1	30
Oklahoma.....	28	-	4	27	32	12	-	-	-	14	5	48
Texas.....	2,367	1	18	46	647	509	-	5	1	2	6	156
MOUNTAIN.....	746	3	51	42	1,223	951	-	2	2	16	1	80
Montana.....	78	-	-	3	43	27	-	-	2	8	-	-
Idaho.....	105	-	1	3	77	70	-	-	-	-	-	-
Wyoming.....	21	-	3	1	-	25	-	1	-	4	-	-
Colorado.....	128	-	10	11	670	365	-	-	-	-	-	4
New Mexico.....	8	1	21	3	203	232	-	1	-	-	-	38
Arizona.....	256	-	3	7	87	124	-	-	-	-	1	38
Utah.....	118	1	5	11	140	107	-	-	-	4	-	-
Nevada.....	32	1	8	3	3	1	-	-	-	-	-	-
PACIFIC.....	2,898	12	285	234	1,052	790	1	11	-	-	12	126
Washington.....	829	-	21	17	193	180	-	1	-	-	-	-
Oregon.....	452	1	18	14	16	11	-	-	-	-	-	1
California.....	1,571	11	233	192	719	509	1	10	-	-	12	125
Alaska.....	35	-	6	5	38	47	-	-	-	-	-	-
Hawaii.....	11	-	7	6	86	43	-	-	-	-	-	-
Puerto Rico	225	-	17	4	19	15	-	31	-	-	1	10

Table 4 (C) TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	5/16	5/23	5/30	6/6
NEW ENGLAND:				
Boston, Mass.	7	12	8	12
Bridgeport, Conn.	1	-	-	2
Cambridge, Mass.	2	-	-	5
Fall River, Mass.	3	2	2	2
Hartford, Conn.	6	9	3	6
Lowell, Mass.	1	1	4	-
Lynn, Mass.	1	1	2	2
New Bedford, Mass.	-	1	2	-
New Haven, Conn.	10	6	2	-
Providence, R.I.	5	4	2	2
Somerville, Mass.	1	1	1	-
Springfield, Mass.	1	2	2	1
Waterbury, Conn.	6	1	1	-
Worcester, Mass.	3	2	-	1
MIDDLE ATLANTIC:				
Albany, N.Y.	4	4	4	2
Allentown, Pa.	3	1	2	3
Buffalo, N.Y.	10	7	4	15
Camden, N.J.	6	4	2	4
Elizabeth, N.J.	2	1	1	1
Erie, Pa.	2	2	3	1
Jersey City, N.J.	5	4	3	6
Newark, N.J.	4	23	7	5
New York City, N.Y.	79	80	86	90
Paterson, N.J.	3	-	-	6
Philadelphia, Pa.	24	30	17	45
Pittsburgh, Pa.	14	17	10	14
Reading, Pa.	2	-	2	2
Rochester, N.Y.	5	6	7	9
Schenectady, N.Y.	1	-	-	2
Scranton, Pa.	3	2	-	2
Syracuse, N.Y.	1	3	2	4
Trenton, N.J.	5	4	2	5
Utica, N.Y.	1	1	-	-
Yonkers, N.Y.	-	-	-	2
EAST NORTH CENTRAL:				
Akron, Ohio	3	3	2	2
Canton, Ohio	2	4	3	2
Chicago, Ill.	43	36	39	33
Cincinnati, Ohio	14	4	7	10
Cleveland, Ohio	11	7	18	12
Columbus, Ohio	9	3	13	10
Dayton, Ohio	2	3	5	10
Detroit, Mich.	24	21	28	12
Evansville, Ind.	-	4	1	3
Flint, Mich.	7	5	7	3
Fort Wayne, Ind.	3	2	4	3
Gary, Ind.	-	3	3	6
Grand Rapids, Mich.	3	-	1	3
Indianapolis, Ind.	7	19	7	13
Madison, Wis.	-	2	3	5
Milwaukee, Wis.	12	5	5	11
Peoria, Ill.	4	3	-	2
Rockford, Ill.	1	-	2	2
South Bend, Ind.	2	3	4	3
Toledo, Ohio	2	3	7	3
Youngstown, Ohio	4	7	4	2
WEST NORTH CENTRAL:				
Des Moines, Iowa	2	3	1	6
Duluth, Minn.	-	2	2	-
Kansas City, Kans.	2	4	3	10
Kansas City, Mo.	3	5	13	12
Lincoln, Nebr.	2	3	-	1
Minneapolis, Minn.	5	4	6	8
Omaha, Nebr.	3	4	2	6
St. Louis, Mo.	17	16	12	12
St. Paul, Minn.	3	8	5	7
Wichita, Kans.	6	1	7	4
SOUTH ATLANTIC:				
Atlanta, Ga.	5	9	8	11
Baltimore, Md.	16	16	11	35
Charlotte, N.C.	8	2	9	2
Jacksonville, Fla.	4	6	2	8
Miami, Fla.	11	2	7	1
Norfolk, Va.	4	2	7	10
Richmond, Va.	6	11	9	7
Savannah, Ga.	2	3	1	-
St. Petersburg, Fla.	1	-	-	5
Tampa, Fla.	3	8	5	3
Washington, D.C.	8	25	2	37
Wilmington, Del.	2	3	1	4
EAST SOUTH CENTRAL:				
Birmingham, Ala.	4	5	3	8
Chattanooga, Tenn.	1	4	1	3
Knoxville, Tenn.	2	1	1	-
Louisville, Ky.	5	9	5	9
Memphis, Tenn.	4	12	12	9
Mobile, Ala.	4	3	2	9
Montgomery, Ala.	-	2	6	1
Nashville, Tenn.	4	7	1	8
WEST SOUTH CENTRAL:				
Austin, Tex.	3	5	2	-
Baton Rouge, La.	1	4	2	4
Corpus Christi, Tex.	4	4	2	4
Dallas, Tex.	15	9	15	15
El Paso, Tex.	8	6	1	4
Fort Worth, Tex.	5	4	6	12
Houston, Tex.	7	17	12	14
Little Rock, Ark.	2	4	7	7
New Orleans, La.	18	10	12	21
Oklahoma City, Okla.	7	6	4	9
San Antonio, Tex.	10	8	6	13
Shreveport, La.	6	3	5	4
Tulsa, Okla.	7	1	5	2
MOUNTAIN:				
Albuquerque, N. Mex.	2	2	6	4
Colorado Springs, Colo.	1	2	-	3
Denver, Colo.	1	14	2	5
Ogden, Utah	3	1	-	1
Phoenix, Ariz.	5	5	4	5
Pueblo, Colo.	-	1	-	-
Salt Lake City, Utah	1	2	1	4
Tucson, Ariz.	2	3	2	2
PACIFIC:				
Berkeley, Calif.	1	-	-	1
Fresno, Calif.	4	2	6	-
Glendale, Calif.	1	1	3	1
Honolulu, Hawaii	3	3	3	5*
Long Beach, Calif.	2	6	4	3
Los Angeles, Calif.	30	41	35	27
Oakland, Calif.	7	11	7	7
Pasadena, Calif.	1	-	-	1
Portland, Oreg.	-	7	4	5
Sacramento, Calif.	5	2	12	3
San Diego, Calif.	6	4	12	5
San Francisco, Calif.	7	4	5	5
San Jose, Calif.	4	2	3	5
Seattle, Wash.	7	5	9	10
Spokane, Wash.	1	3	-	4
Tacoma, Wash.	-	3	1	2
San Juan, P.R.	(---)	(---)	(---)	(---)

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 11,064
4(B) Pneumonia-Influenza Deaths, all ages..... 417
4(C) Total Deaths under 1 Year of Age..... 805
4(D) Total Deaths, Persons 65 years and over..... 6,101

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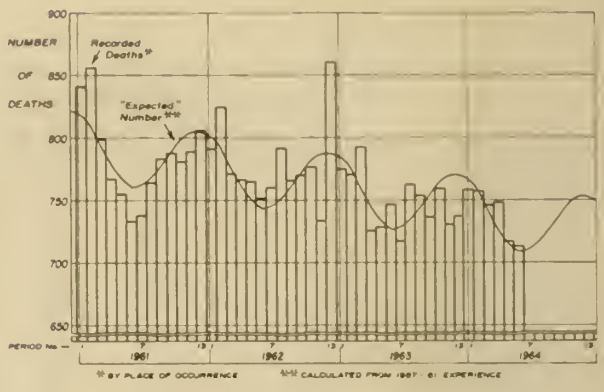
INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending June 6 was 714 as compared with an expected 709 weekly average.

Total Deaths Under One Year of Age Recorded in 108 Cities

	Week Ending				4 Week Total	Weekly Average
	5 16	5 23	5 30	6 6		
Observed	668	725	656	809	2,858	714
Expected	710	709	709	709	2,837	709
Excess	-42	16	-53	100	21	5

DEATHS UNDER ONE YEAR OF AGE IN 108 U.S. CITIES
Average Number per Week by Four-Week Periods



(See Table, page 199)

INTERNATIONAL NOTES - QUARANTINE MEASURES

INFLUENZA - Hungary

Influenza virus A^2 was isolated in an outbreak which affected 40 of 100 Budapest factory workers, who experienced symptoms of influenza in a 3-day period beginning April 28. Similar small outbreaks, which have shown little tendency to spread, have been reported since April 30 in several other communities.

(Reported in the Weekly Epidemiological Record, WHO, No. 21, May 22, 1964.)

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NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS: - - - DATA NOT AVAILABLE
— QUANTITY ZERO

PROCEDURES FOR CONSTRUCTION OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FROM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ATLANTA, GEORGIA 30333.

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